



Clallam Transit System

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Press Release

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CTS Efficiency Lighting Projects Save Transit Watts of Energy

During the Clallam Transit System annual budget workshop held in late August, Board members received some good news on efficiencies that staff is putting in place to lower utility (energy) costs.

Maintenance Manager Kevin Gallacci told the Board that Clallam Transit is beginning an LED project and this is expected to reduce kilowatt usage by 45 percent. He discussed a shop lamp retrofit completed in 2005 that has an estimated annual electric savings of 19,481 kilowatt hours (kWhs), for an estimated annual utility cost savings of \$885. The estimated percent wattage reduction is 49 percent with an estimated simple payback in 6.4 years. CTS completed an HVAC front end controls upgrade in 2013 to replace obsolete software and controls. Federal grant funding was secured for this project.

In 2014, Clallam Transit began a corridor and perimeter lighting project that replaces lamps with LED lamps and adds photocells. Actual cost of this project after a grant and an estimated utility rebate is \$2,273. The system expects an estimated annual electrical savings of 16,375 kWhs for an estimated annual utility cost savings of \$854. The estimated percent wattage reduction is greater than 30 percent with an estimated simple payback of 5.4 years and estimated CTS payback of 2.6 years.

Gallacci noted Clallam Transit is also involved in an LED lighting retrofit project for the system's main headquarters facility and Port Angeles Gateway Transit Center, replacing lighting with LED and adding controls. This project will be completed in 2014. The

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system's actual cost after grants and rebates is \$14,151 for an estimated annual electrical savings of 94,088 kWhs. This project has an annual utility cost savings of \$6,370 and annual maintenance savings of \$600. The estimated percent wattage reduction is 63 percent with a simple payback of 15 years and estimated CTS payback of two years with grant funding.

Gallacci concluded his good news by talking about the system's HVAC heat pump installation project to replace an air conditioning unit with a heat pump for the main air handler in the headquarters facility. If the project moves forward this will be completed in 2014 or early 2015. Currently the estimated project cost is \$56,000. This project is grant funded with a 13.5 percent match, is expected to qualify for a Weatherwise Service Rebate, and anticipates a greater than 50 percent reduction in kWhs.

Gallacci noted cost and energy savings are calculated by the City of Port Angeles utilities department and actual savings shall be display in future energy analyst trends and data reporting.